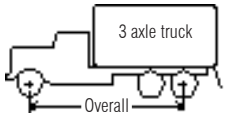
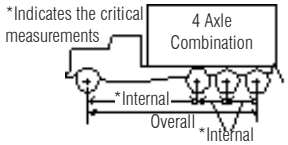
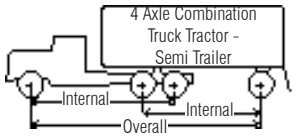
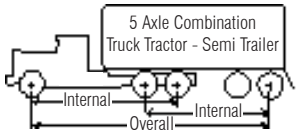
Measuring Axle Distance



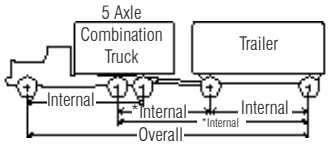






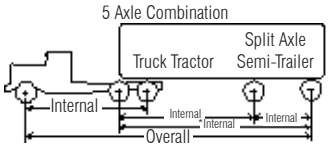
Overall wheelbase of 51' allows 80,000 lbs

Two consecutive groups of tandem axles (36' allows 68,000 lbs)

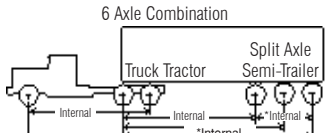


*Indicates the critical measurements

Example: 24' wheelbase from axle 2 to 4 allows by table (3 axle column) 54,000 lbs. 10' wheelbase from axle 4 to 5 allows 40,000 lbs. These two examples for gross weight purposes would be determined by the internal wheelbase from axle 2 to 5. Take the total wheelbase measurement from axle 2 to 5. This would be the critical measurement as 34' from axle 2 to 5 applied to the 4 axle column would allow a gross weight of 64,500 lbs.



*Indicates the critical measurement



Missouri's Increased Livestock & Grain Hauling Weights

August 2015

On August 28, 2015, Missouri's legal weight limits for transport of livestock, grain and grain co-products increase.

Livestock haulers are allowed to load to a maximum gross weight of 85,500 lbs. within the state.

Those transporting grain and grain co-products during harvest season in Missouri can load to a maximum of 10 percent heavier than the weights normally allowed. Normal legal hauling weights are based on the distance between consecutive axles and the total number of axles.

See the charts to the right for the normal weight limits and the increased allowable weights for livestock, grain and grain co-products.

Limitations

When making use of the increased weight law, livestock, grain and grain co-product haulers must not use any portion of the interstate highway system or cross a bridge that is weight-limited to a level that is less than the gross weight of the vehicle and load

The agricultural weight allowances apply only within Missouri's borders.

Before Loading the Vehicle

Verify that the vehicle's tires are in good condition and are rated to carry the heavier load.

Inspect the braking system. Heavier loads of shifting material require strong brakes.

Check your route for weight-restricted bridges. If you must cross such a bridge, load the vehicle to the point that its gross laden weight is less than the bridge maximum or choose a route that does not include a weight-restricted bridge.

Find a list of weight-restricted bridges organized by county at www.modot.org/bridgelimits.

Legal Limits on Missouri Highways (except in commercial zones)

Feet	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles
4	34,000	Maximum load (in pounds) carried on any group of 2 or more consecutive axles.			
5	34,000				
6	34,000				
7	34,000				
8	34,000	34,000			
More than 8	38,000	42,000			
9	39,000	42,500			
10	40,000	43,500			
11		44,000			
12		45,000	50,000		
13		45,500	50,500		
14		46,500	51,500		
15		47,000	52,000		
16		48,000	52,500	58,000	
17		48,500	53,500	58,500	
18		49,500	54,000	59,000	
19		50,000	54,500	60,000	
20		51,000	55,500	60,500	66,000
21		51,500	56,000	61,000	66,500
22		52,500	56,500	61,500	67,000
23		53,000	57,500	62,500	68,000
24		54,000	58,000	63,000	68,500
25		54,500	58,500	63,500	69,000
26		55,500	59,500	64,000	69,500
27		56,000	60,000	65,000	70,000
28		57,000	60,500	65,500	71,000
29		57,500	61,500	66,000	71,500
30		58,500	62,000	66,500	72,000
31		59,000	62,500	67,500	72,500
32		60,000	63,500	68,000	73,000
33			64,000	68,500	74,000
34			64,500	69,000	74,500
35			65,500	70,000	75,000
36			66,000	70,500	75,500
37			66,500	71,000	76,000
38			67,500	72,000	77,000
39			68,000	72,500	77,500
40			68,500	73,000	78,000
41			69,500	73,500	78,500
42			70,000	74,000	79,000
43			70,500	75,000	80,000
44			71,500	75,500	
45			72,000	76,000	
46			72,500	76,500	
47			73,500	77,500	
48			74,000	78,000	
49			74,500	78,500	
50			75,500	79,000	
51			76,000	80,000	
52			76,500		
53			77,500		
54			78,000		
55			78,500		
56			79,500		
57			80,000		

Distance in feet between the extremes of any group of 2 or more consecutive axles measured to the nearest foot except where indicated otherwise

Maximum Allowable Weight for Grain and Grain Co-Products on Missouri Highways (Excluding Interstates)

Feet	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles
4	37,400	Maximum load (in pounds) carried on any group of 2 or more consecutive axles.			
5	37,400				
6	37,400				
7	37,400				
8	37,400	37,400			
More than 8	41,800	46,200			
9	42,900	46,750			
10	44,000	47,850			
11		48,400			
12		49,500	55,000		
13		50,050	55,550		
14		51,150	56,650		
15		51,700	57,200		
16		52,800	57,750	63,800	
17		53,350	58,850	64,350	
18		54,450	59,400	64,900	
19		55,000	59,950	66,000	
20		56,100	61,050	66,550	72,600
21		56,650	61,600	67,100	73,150
22		57,750	62,150	67,650	73,700
23		58,300	63,250	68,750	74,800
24		59,400	63,800	69,300	75,350
25		59,950	64,350	69,850	75,900
26		61,050	65,450	70,400	76,450
27		61,600	66,000	71,500	77,000
28		62,700	66,550	72,050	78,100
29		63,250	67,650	72,600	78,650
30		64,350	68,200	73,150	79,200
31		64,900	68,750	74,250	79,750
32		66,000	69,850	74,800	80,300
33			70,400	75,350	81,400
34			70,950	75,900	81,950
35			72,050	77,000	82,500
36			72,600	77,550	83,050
37			73,150	78,100	83,600
38			74,250	79,200	84,700
39			74,800	79,750	85,250
40			75,350	80,300	85,800
41			76,450	80,850	86,350
42			77,000	81,400	86,900
43			77,550	82,500	88,000
44			78,650	83,050	
45			79,200	83,600	
46			79,750	84,150	
47			80,850	85,250	
48			81,400	85,800	
49			81,950	86,350	
50			83,050	86,900	
51			83,600	88,000	
52			84,150		
53			85,250		
54			85,800		
55			86,350		
56			87,450		
57			88,000		

Distance in feet between the extremes of any group of 2 or more consecutive axles measured to the nearest foot except where indicated otherwise